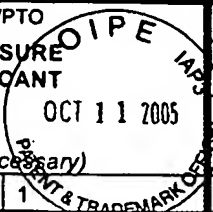



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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/725,121	
			Filing Date	12/02/2003	
			First Named Inventor	Gregory PLOWMAN	
			Group Art Unit	1644	
			Examiner Name	M. Szperka	
Sheet	1	of	1	Attorney Docket Number	034536-0689

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
<i>MS</i>	B1	WO	97/42212	A	GEN HOSPITAL CORP.	11-13-1997		
<i>MS</i>	B2	WO	99/07854	A	MIAO NINGNING	02-18-1999		

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	B3	BUCHER, et al., "A flexible motif search technique based on generalized profiles" COMPUTERS AND CHEMISTRY, vol. 20, no. 1, pp. 3-20 (1996).		

Examiner Signature		Date Considered	11/28/05
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				Filing Date	12/02/2003
				First Named Inventor	Gregory Plowman
				Group Art Unit	1652
				Examiner Name	Unassigned
Sheet	1	of	15	Attorney Docket Number	034536-0689

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		Number	Kind Code <sup>2</sup> (if known)			
	A1	4,343,940		Kreighbaum	08/10/1982	
	A2	4,376,110		David et al.	03/08/1983	
	A3	4,447,608		Jones	05/08/1984	
	A4	4,757,072		Kabbe	07/12/1988	
	A5	4,945,050		Sanford	07/31/1990	
	A6	5,217,999		Levitzki	06/08/1993	
	A7	5,302,606		Spada	04/12/1994	
	A8	5,316,553		Kaul	05/31/1994	
	A9	5,330,992		Eissenstat	07/19/1994	
	A10	6,013,500		Minden	01/2000	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A11	WO	91/15495		Dow	10/17/1991		
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	A13	PCT	92/21660		Dow	12/10/1992		
	A14	PCT	92/20642		Spada	11/26/1992		
	A15	PCT	93/09236		Schwartz	05/13/1993		
	A16	EPO	0 562 734	A1	Pegg	09/29/1993		
	A17	EPO	0 566 226	A1	Barker	10/20/1993		
	A18	WO	94/03427		Dobrusin	02/17/1994		
	A19	WO	94/14808		Buzetti	07/07/1994		
	A20	WO	96/22976		Buzzetti	08/01/1996		
	A21	WO	97 42212			11/13/1997		
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	A23	WO	99 32637			07/01/1999		
	A24	WO	99 07854			02/18/1999		
	A25	WO	99 02699			01/21/1999		

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	A26	Abe et al., "Molecular Characterization of a Novel Metabotropic Glutamate Receptor mGluR5 Coupled to Inositol Phosphate/Ca <sup>2+</sup> Signal," <u>J. Biol. Chem.</u> 267(19):13361-13368 (1992)	

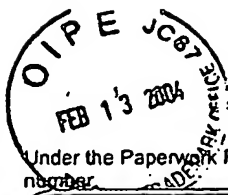
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		<b>Filing Date</b>	12/02/2003
		<b>First Named Inventor</b>	Gregory Plowman
		<b>Group Art Unit</b>	1652
		<b>Examiner Name</b>	Unassigned
<b>Attorney Docket Number</b>	034536-0689		
Sheet	2	of	15

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 	A27	ABO et al., "PAK4, A Novel Effector For Cdc42Hs, Is Implicated In The Reorganization Of The Actin Cytoskeleton And In The Formation Of Filopodia", The EMBP Journal, Vol. 17, No. 22, Pages 6527-6540, 16 November 1998	
	A28	Allen et al., "Modulation of CD4 by suramin," <u>Clin. Exp. Immunol.</u> 91:141-146 (1991)	
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	A37	Barker et al., "In vitro activity of non-glutamate containing quinazoline-based thymidylate synthase inhibitors," <u>Proceedings of the American Association for Cancer Research</u> 32:327 at abstract no. 1939 (1991)	
	A38	Bayer et al., "The Avidin-Biotin Complex in Affinity Cytochemistry," <u>Methods in Enzymology</u> 62:308-319 (1979)	
	A39	Benoist and Chambon, "In vivo sequence requirements of the SV40 early promoter region," <u>Nature</u> 290:304-310 (1981)	
	A40	Berger and Wahl, "Screening Colonies or Plaques with Radioactive Nucleic Acid Probes," <u>Meth. Enzym.</u> 152:421 (1987)	

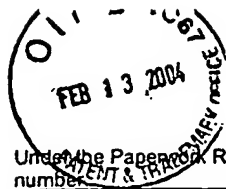
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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Application Number</b>	10/725,121
Date Submitted: February 13, 2004		<b>Filing Date</b>	12/02/2003
(use as many sheets as necessary)		<b>First Named Inventor</b>	Gregory Plowman
		<b>Group Art Unit</b>	1652
		<b>Examiner Name</b>	Unassigned
		<b>Attorney Docket Number</b>	034536-0689
Sheet	3	of	15

NON PATENT LITERATURE DOCUMENTS			
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ms	A41	Bertino, "Toward Improved Selectivity in Cancer Chemotherapy: The Richard and Hinda Rosenthal Foundation Award Lecture," <u>Cancer Research</u> 39:293-304 (1979)	
	A42	Bilder et al., "Tyrophostins inhibit PDGF-induced DNA synthesis and associated early events in smooth muscle cells," <u>Am. J. Physiol.</u> 260(Cell Physiol.29):C721-C730 (1991)	
	A43	Bollon and Stauver, "DNA Transformation Efficiency of Various Bacterial and Yeast Host-Vector Systems," <u>Journal of Clinical Hematology and Oncology</u> 10(2&3):39-48 (1980)	
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	A45	Brinster et al., "Factors Affecting the Efficiency of Introducing Foreign DNA into Mice by Microinjecting Eggs," <u>Proc. Natl. Acad. Sci. USA</u> 82:4438-4442 (1985)	
	A46	Broach, "The Yeast Plasmid 2 $\mu$ Circle," <u>Cell</u> 28:203-204 (1982)	
	A47	Broach, "The Yeast Plasmid 2 $\mu$ Circle," in <u>The Molecular Biology of the Yeast Saccharomyces: Life Cycle and Inheritance</u> , Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, pp. 445-470 (1981)	
	A48	Brown et al., "Human Ste20 Homologue hPAK1 Links GTPases to the JNK MAP Kinase Pathway," <u>Current Biol.</u> 6:598-605 (1996)	
	A49	Brunton et al., "Anti-tumour activity of novel tyrophostins in breast cancer cells," <u>Proceedings of the American Association for Cancer Research</u> 33:558 at abstract no. 3335 (1992)	
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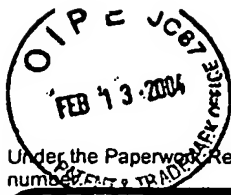
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		<b>Examiner Name</b>	Unassigned
<b>Sheet</b>	4 of 15	<b>Attorney Docket Number</b>	034536-0689

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	A55	Burke et al., "Arylamides of Hydroxylated Isoquinolines as Protein-Tyrosine Kinase Inhibitors," <u>Bioorganic &amp; Medical Chemistry Letters</u> 2(12):1771-1774 (1992)	
	A56	Burke et al., "Bicyclic Compounds as Ring-Constrained Inhibitors of Protein-Tyrosine Kinase p56 <sup>lck</sup> ," <u>Journal of Medicinal Chemistry</u> 36(4):425-432 (1993)	
	A57	Campbell, <u>Monoclonal Antibody Technology: Laboratory Techniques in Biochemistry and Molecular Biology</u> , Volume 13, Elsevier Science Publishers, Amsterdam, The Netherlands (1984) (TABLE OF CONTENTS ONLY)	
	A58	Capecchi, "Altering the Genome by Homologous Recombination," <u>Science</u> 244:1288-1292 (1989)	
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	A62	Chater et al., "Streptomyces ØC31-Like Phages: Cloning Vectors, Genome Changes and Host Range," in <u>Sixth International Symposium on Actinomycetes Biology</u> , edited by Szabe et al., Akademiai Kiado, Budapest, Hungary, pp. 45-52 (1986)	
	A63	Chen and Okayama, "High-Efficiency Transformation of Mammalian Cells by Plasmid DNA," <u>Molecular and Cellular Biology</u> 7(8):2745-2752 (1987)	
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	A66	Cullen, "HIV-1: Is Nef a PAK Animal?" <u>Curr. Biol.</u> 6:1557-1559 (1996)	
	A67	Curiel et al., "Gene Transfer to Respiratory Epithelial Cells via the Receptor-mediated Endocytosis Pathway," <u>Am. J. Respir. Cell. Mol. Biol.</u> 6:247-252 (1992)	
	A68	Curtin et al., "Inhibition of the growth of human hepatocellular carcinoma in vitro and in athymic mice by a quinazoline inhibitor of thymidylate synthase, CB3717," <u>Br. J. Cancer</u> 53:361-368 (1986)	

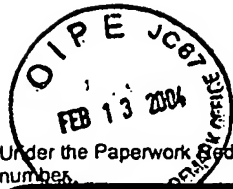
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<i>ms</i>	A69	Daniels et al., "Membrane Targeting of p21-Activated Kinase 1 (PAK1) Induces Neurite Outgrowth from PC12 Cells," <u>EMBO J.</u> 17:754-764 (1998)	
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	A72	Database EMBL [Online], ID: AA766905, NCI-CGAP: "...Homo Sapiens cDNA Clone Image:1301771 Similar To TR:Q42341 Q42341 Serine-Threonine Protein Kinase...", 30 January 1998	
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<i>ms</i>	A82	Database EMBL [Online], ID: HS130B11B, Fujiwara et al., "Human Fetal Brain cDNA 5' -end GEN-130B11", 25 August 1995	

Examiner Signature	<i>Michael A. Spivey</i>	Date Considered	11/28/05
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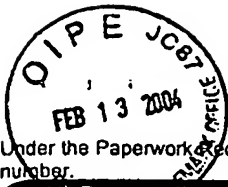
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: February 13, 2004



(use as many sheets as necessary)

**Complete if Known**

Application Number	10/725,121
Filing Date	12/02/2003
First Named Inventor	Gregory Plowman
Group Art Unit	1652
Examiner Name	Unassigned
Attorney Docket Number	034536-0689

Sheet 6 of 15

**NON PATENT LITERATURE DOCUMENTS**

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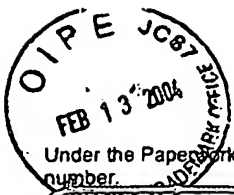
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Date Submitted: February 13, 2004				<b>Filing Date</b>	12/02/2003
(use as many sheets as necessary)				<b>First Named Inventor</b>	Gregory Plowman
				<b>Group Art Unit</b>	1652
				<b>Examiner Name</b>	Unassigned
				<b>Attorney Docket Number</b>	034536-0689
Sheet	7	of	15		

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MS	A97	Frost et al., "Cross-Cascade Activation of ERKs and Ternary Complex Factors by Rho Family Proteins," EMBO J. 16:6426-6438 (1997)		
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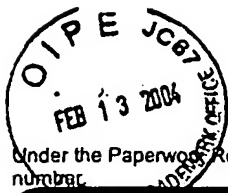
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		Filing Date	12/02/2003		
		First Named Inventor	Gregory Plowman		
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		Examiner Name	Unassigned		
Sheet	8	of	15	Attorney Docket Number	034536-0689

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[Signature]	A111	Hamer and Walling, "Regulation In Vivo of a Cloned Mammalian Gene: Cadmium Induces the Transcription of a Mouse Metallothionein Gene in SV40 Vectors," <u>J. of Molecular and Applied Genetics</u> 1:273-288 (1982) (also referred to as Hammer)	
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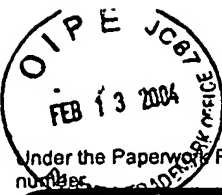
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ms	A125	Joyner et al., "Production of a mutation in mouse En-2 gene by homologous recombination in embryonic stem cells," <u>Nature</u> 338:153-156 (1989)			
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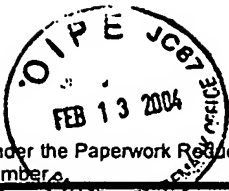
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MS	A139	Lee and Skibo, "Active-Site-Directed Reductive Alkylation of Xanthine Oxidase by Imidazo[4,5-g]quinazoline-4,9-diones Functionalized with a Leaving Group," <u>Biochemistry</u> 26:7355-7362 (1987)	
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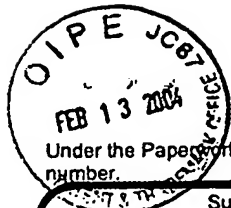
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		Examiner Name	Unassigned		
Sheet	11	of	15	Attorney Docket Number	034536-0689

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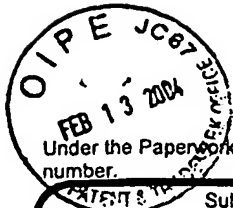
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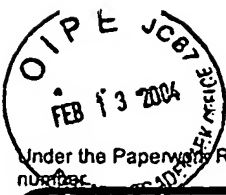
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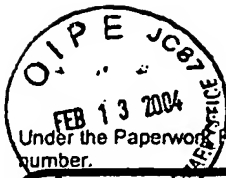
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
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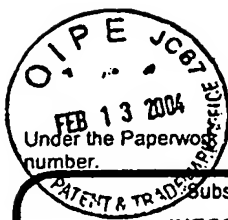
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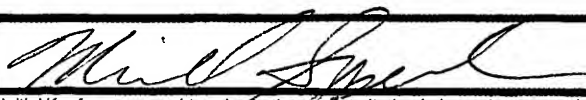
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